

Application Number	10/581,401
Filing Date	June 1, 2006
First Named Inventor	Jean-Christophe PAGES
Art Unit	TBD 1633
Examiner Name	TBD Marvich
Attorney Docket Number	5058-108 US

[illegible][illegible]

Date Considered	03/26/2009
-----------------	------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the patent which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 07 2008

Approved for use through 09/30/2007. PTO/55/08b (04-07)
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/581,401
Filing Date	June 1, 2006
First Named Inventor	Jean-Christophe PAGES
Art Unit	TBD
Examiner Name	TBD
Attorney Docket Number	5058-108 US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/M.M./	i.	ROLLS, M.M. et al., "Novel Infectious Particles Generated by Expression of the Vesicular Stomatitis Virus Glycoprotein from a Self-Replicating RNA", Cell, November 4, 1994, pgs. 497-506, vol. 79, Cell Press	
	2.	ROLLS, M.M. et al., "Expression of Additional Genes in a Vector Derived from a Minimal RNA Virus", Virology, (1996), pgs. 406-411, no. 0211, Academic Press, Inc.	
	3.	LEBEDEVA, I. et al., "Infectious Particles Derived from Semliki Forest Virus Vectors Encoding Murine Leukemia Virus Envelopes", Journal of Virology, Sept. 1997, pgs. 7061-7067, vol. 71, no. 9, American Society for Microbiology	
	4.	RUSSELL, S.J. et al., "Modifying the Host Range Properties of Retroviral Vectors", The Journal of Gene Therapy, 1999, pgs. 300-311, vol. 1, John Wiley & Sons, Ltd. 1999	
	5.	SALONEN, A. et al., "Properly Folded Nonstructural Polyprotein Directs the Semliki Forest Virus Replication Complex to the Endosomal Compartment", Journal of Virology, February 2003, pgs. 1691-1702, vol. 77, no. 3, American Society for Microbiology	
	6.	NALDINI, L. et al., "In Vivo Gene Delivery and Stable Transduction of Nondividing Cells by a Lentiviral Vector", Science, April 12, 1996, pgs. 263-267, vol. 272	
	7.	LIU, M.L. et al., "Pseudotransduction of Hepatocytes by Using Concentrated Pseudotyped Vesicular Stomatitis Virus G Glycoprotein (VSV-G)-Moloney Murine Leukemia Virus-Derived Retrovirus Vectors: Comparison of VSV-G and Amphotropic Vectors for Hepatic Gene Transfer", Journal of Virology, April 1996, pgs. 2497-2505, vol. 70, no. 4, American Society for Microbiology	
	8.	LUNDSTROM, K. et al., "Novel Semliki Forest Virus Vectors with Reduced Cytotoxicity and Temperature Sensitivity for Long-Term Enhancement of Transgene Expression", Molecular Therapy, February 2003, pgs. 202-209, vol. 7, no. 2, The American Society of Gene Therapy	
	9.	MURIAUX, D. et al., "RNA is a Structural Element in Retrovirus Particles", Proc. Natl. Acad. Science, April 24, 2001, pgs. 5246-5251, vol. 98, no. 9	
/M.M./	10.	Li, K.J. et al., "Packaging of Intron-Containing Genes into Retrovirus Vectors by Alphavirus Vectors", Cell Biology, March 1998, pgs. 3650-3654, vol. 95, Proc. Natl. Acad. Science, USA	

 Examiner
 Signature

/Maria Marvich/

 Date
 Considered


04/05/2009

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 422 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

 <p>Substitute for form 1449, PTO</p> <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/581,401</td> </tr> <tr> <td>Filing Date</td> <td>June 1, 2006</td> </tr> <tr> <td>First Named Inventor</td> <td>Jean-Christophe PAGES</td> </tr> <tr> <td>Art Unit</td> <td>TBD</td> </tr> <tr> <td>Examiner Name</td> <td>TBD</td> </tr> <tr> <td>Attorney Docket Number</td> <td>5058-108 US</td> </tr> </table>		Application Number	10/581,401	Filing Date	June 1, 2006	First Named Inventor	Jean-Christophe PAGES	Art Unit	TBD	Examiner Name	TBD	Attorney Docket Number	5058-108 US
Application Number	10/581,401														
Filing Date	June 1, 2006														
First Named Inventor	Jean-Christophe PAGES														
Art Unit	TBD														
Examiner Name	TBD														
Attorney Docket Number	5058-108 US														
Sheet	2	of	2												

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
/M.M./	11.	WAHLFORS, J.J. et al., "Semliki Forest Virus-Mediated Production of Retroviral Vector RNA in Retroviral Packaging Cells", Human Gene Therapy, November 20, 1997, pgs. 2031-2041, vol. 8, Mary Ann Liebert, Inc.	
/M.M./	12.	LUNDSTROM, K., "Alphavirus Vectors as Tools in Cancer Gene Therapy", Technology in Cancer Research & Treatment, February 2002, pgs. 83-88, vol. 1, no. 1, Adenine Press	
/M.M./	13.	Dept. of Molecular Pharmacology, Stanford University, Medical Center - Retroviral Systems Nolan Lab, website reference, http://www.stanford.edu/group/nolan/retroviral_systems/retsys.html , pgs. 1-2 downloaded 12/17/07	

Examiner Signature	/Maria Marvich/	Date Considered	04/05/2009
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

† Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.